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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
| 10/539,636 | 08/30/2005 | Takumi Ikeda | P27887 | 8617 |
| 52123 | 7590 | 08/15/2008 | | |
| GREENBLUM & BERNSTEIN, P.L.C. 1950 ROLAND CLARKE PLACE RESTON, VA 20191 | | | | |
| EXAMINER | | | | |
| WATKINS III, WILLIAM P | | | | |
| ART UNIT | | PAPER NUMBER | | |
| 1794 | | | | |
| NOTIFICATION DATE | | DELIVERY MODE | | |
| 08/15/2008 | | ELECTRONIC | | |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

gbpatent@gbpatent.com

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Office Action Summary

Application No.

10/539,636

Applicant(s)

IKEDA ET AL.

Examiner

William P. Watkins III

Art Unit

1794

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 June 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 13-29 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) 13-29 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SE/US)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

Election/Restrictions

1. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows:

A) A soluble alloy connecting member with a detachment member with an explosive means.

B) A press fit connecting member with a detachment member with an explosive means.

C) A screw connecting member with a detachment member with an explosive means.

D) A soluble alloy connecting member with a detachment member with a heating means.

E) A screw connecting member with a detachment member with a heating means.

F) A press fit connecting member with a detachment member with a heating means.

G) A soluble alloy connecting member with no detachment member that is disassembled by the action of heating from an external source.

H) A soluble alloy connecting member with no detachment member that is disassembled by the action of electromagnetic radiation from an external source.

I) A soluble alloy connecting member with no detachment member that is disassembled by the action of contact with a chemical solution from an external source.

J) A soluble alloy connecting member with no detachment member that is disassembled by the action of contact with a specific gas from an external source.

K) A screw connecting member with no detachment member that is disassembled by the action of heating from an external source.

L) A screw connecting member with no detachment member that is disassembled by the action of electromagnetic radiation from an external source.

M) A screw connecting member with no detachment member that is disassembled by the action of contact with a chemical solution from an external source.

N) A screw connecting member with no detachment member that is disassembled by the action of contact with a specific gas from an external source.

O) A press fit connecting member with no detachment member that is disassembled by the action of heating from an external source.

P) A press fit connecting member with no detachment member that is disassembled by the action of electromagnetic radiation from an external source.

Q) A press fit connecting member with no detachment member that is disassembled by the action of contact with a chemical solution from an external source.

R) A press fit connecting member with no detachment member that is disassembled by the action of contact with a specific gas from an external source.

Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

2. As a matter of claim construction claim 24 is taken as not having a detachment member based on page 16, line 27 to page 17, line 2 of the instant specification.
3. The claims are deemed to correspond to the species listed above in the following manner:
 - A) Claims 13, 14, 18, 19, 23 and 29
 - B) Claims 13, 14, 18, 19, 23 and 29
 - C) Claims 13, 14, 18, 19, 23 and 29
 - D) Claims 13, 15, 16, 18, 20, 21, 23 and 29
 - E) Claims 13, 17, 18, 22, 23 and 29
 - F) Claims 13, 18, 22, 23 and 29

- G) Claims 24 and 25
- H) Claims 24 and 26
- I) Claims 24 and 27
- J) Claims 24 and 28
- K) Claims 24 and 25
- L) Claims 24 and 26
- M) Claims 24 and 27
- N) Claims 24 and 28
- O) Claims 24 and 25
- P) Claims 24 and 26
- Q) Claims 24 and 27
- R) Claims 24 and 28

4. The following claim(s) are generic: no claims are generic to all of the species.
5. The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: The only common technical feature of all of the species is a connecting member which can be disassembled. This feature is shown as being old in the art by Chiodo et al. (WO 01/46597 A1, see the abstract). Since the feature is known in the art it cannot be a

special technical feature that advances the art. Therefore there is lack of unity of invention.

6. A telephone call was not made to request an election an oral election to the above restriction requirement because of the complexity of the requirement.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

7. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William P. Watkins III whose telephone number is 571-272-1503. The examiner works an increased flex time schedule, but can normally be

reached Monday through Friday, 11:30 A.M. through 8:00 P.M. Eastern Time. The examiner returns all calls within one business day unless an extended absence is noted on his voice mail greeting.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena Dye can be reached on 571-272-3186. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

WW/ww
August 13, 2008

/William P. Watkins III/
Primary Examiner, Art Unit 1794